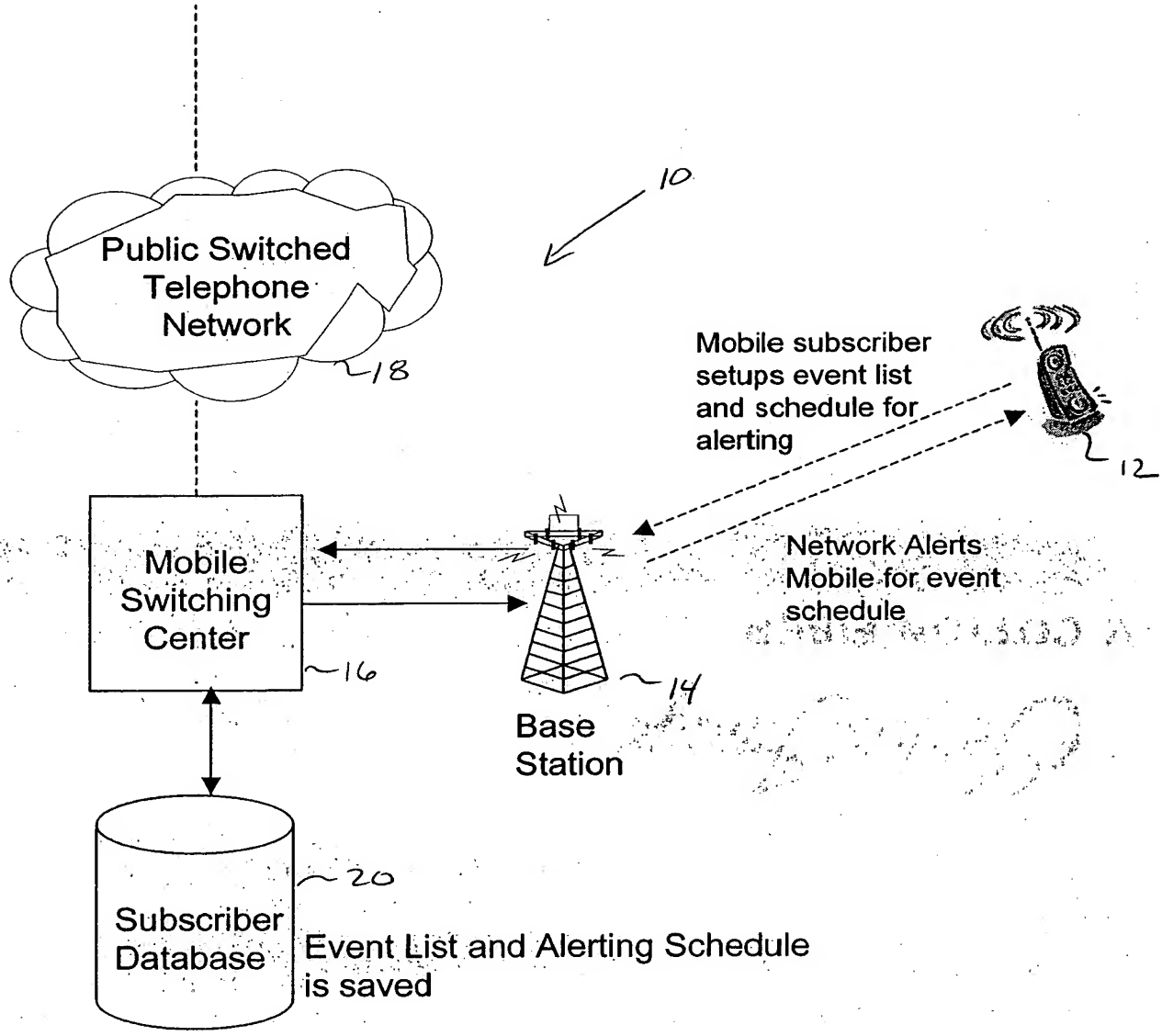

10
Public Switched Telephone Network
18
Mobile subscriber setups event list and schedule for alerting
12
Mobile Switching Center
16
Network Alerts Mobile for event schedule
14
Base Station
20
Subscriber Database
Event List and Alerting Schedule is saved

FIGURE 1

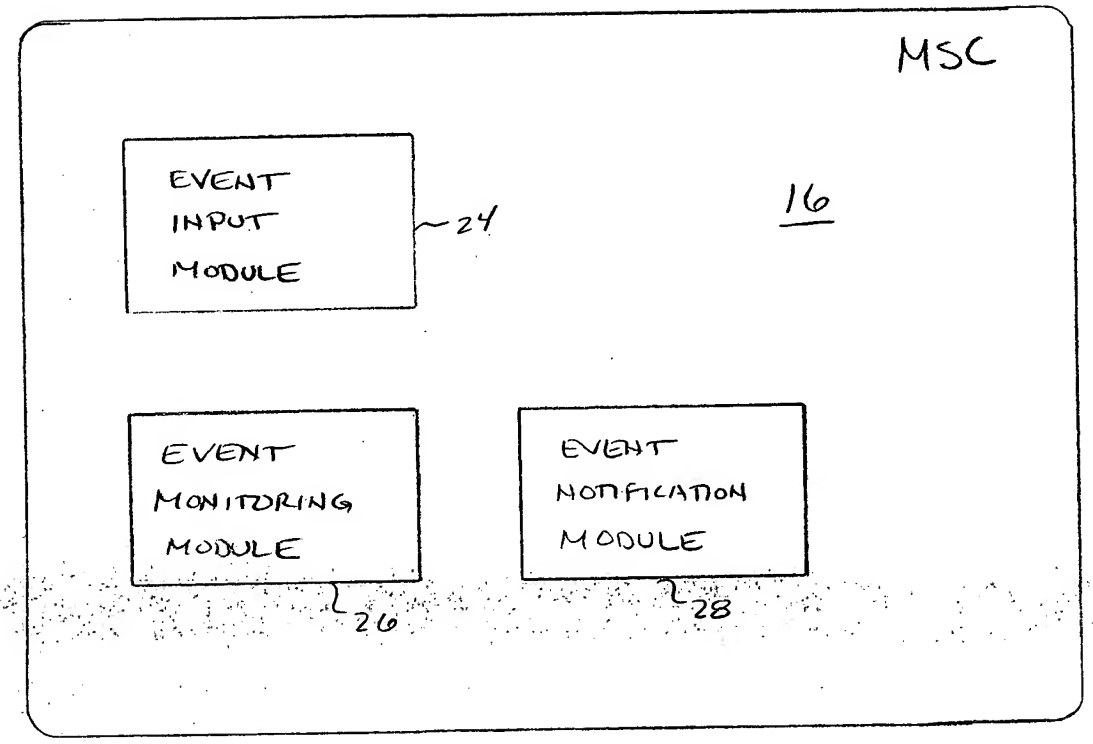

MSC
EVENT INPUT MODULE
24
16
EVENT MONITORING MODULE
26
EVENT NOTIFICATION MODULE
28

FIGURE 2

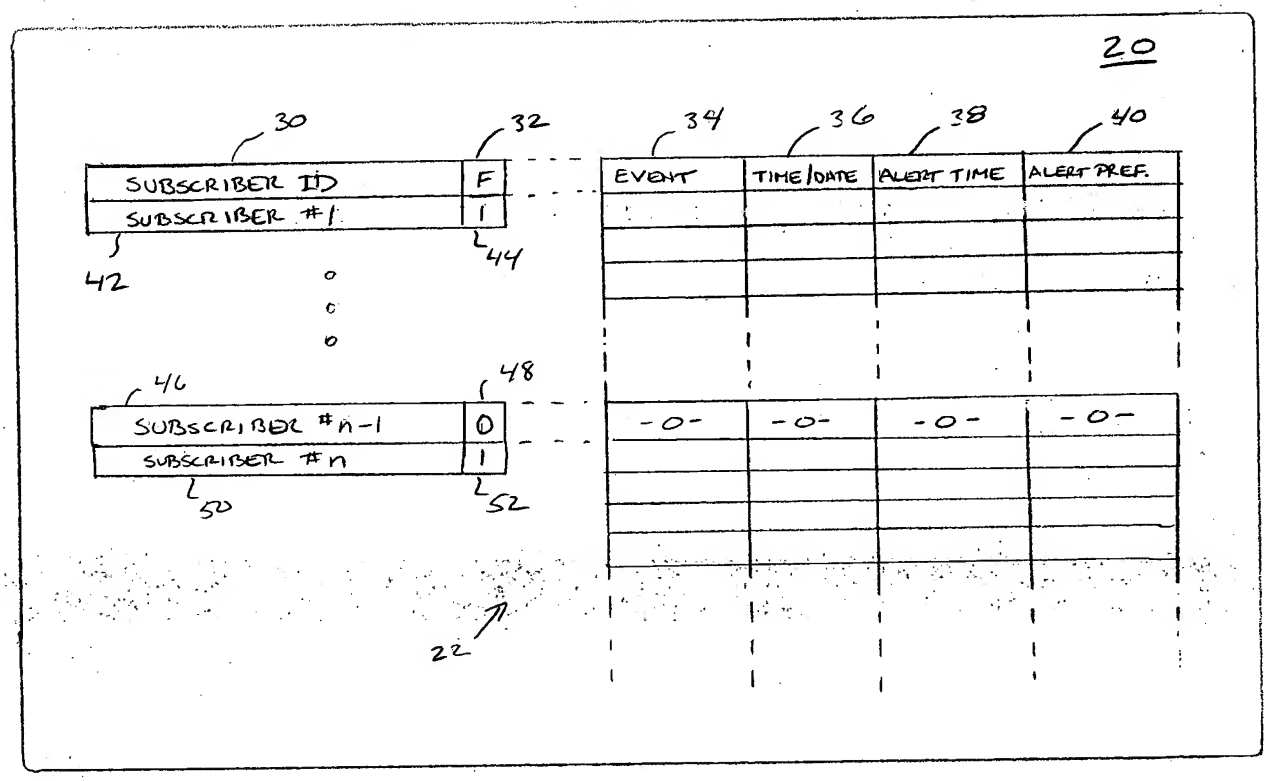

20
30
32
34
36
38
40
SUBSCRIBER ID
F
EVENT
TIME/DATE
ALERT TIME
ALERT PREF.
SUBSCRIBER #1
1
42
44
46
48
SUBSCRIBER #n-1
0
-0-
SUBSCRIBER #n
1
50
52
22

FIGURE 3

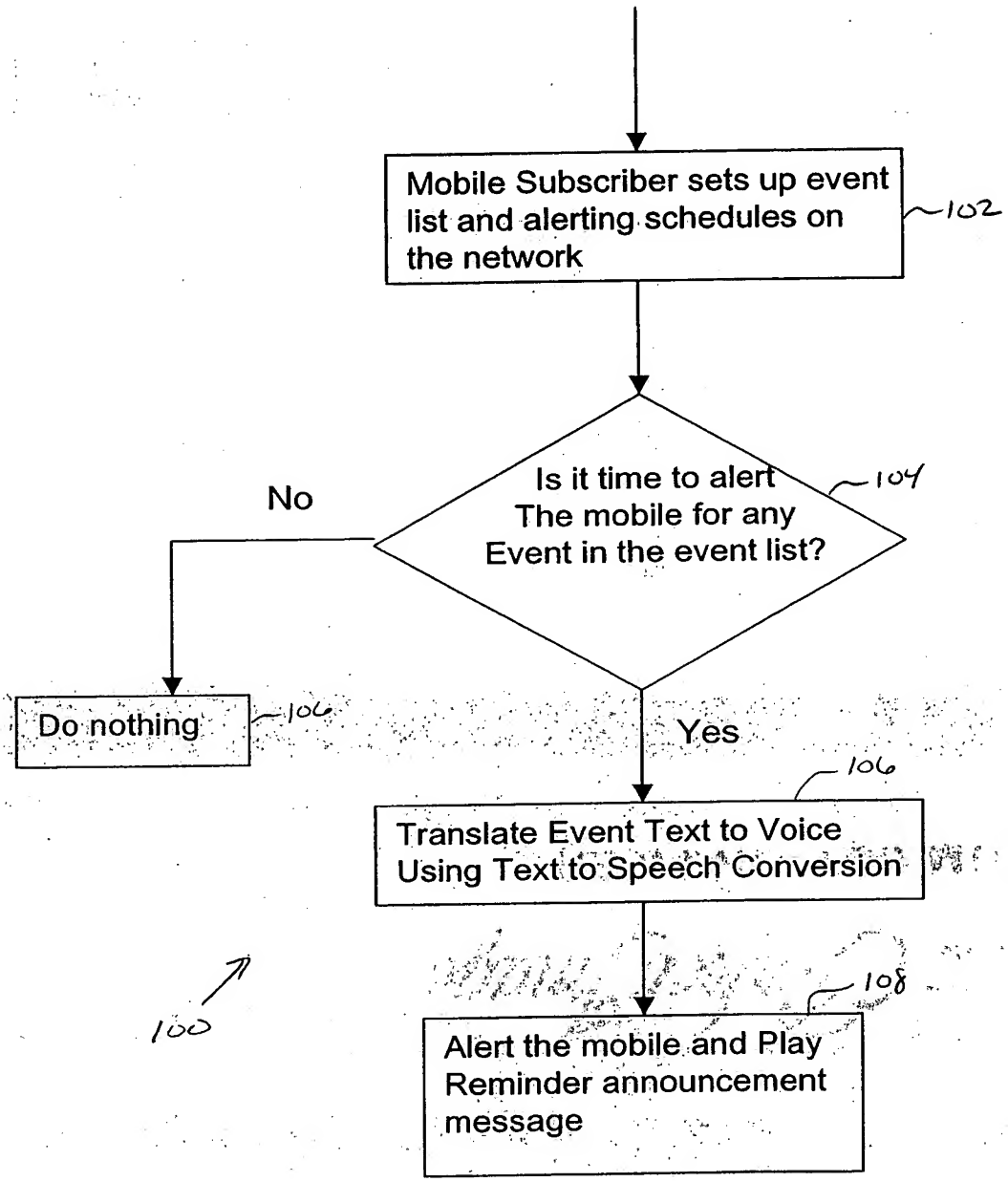

Mobile Subscriber sets up event list and alerting schedules on the network
102
Is it time to alert The mobile for any Event in the event list?
104
No
Yes
Do nothing
106
106
Translate Event Text to Voice Using Text to Speech Conversion
100
108
Alert the mobile and Play Reminder announcement message

FIGURE 4

FIGURE 5

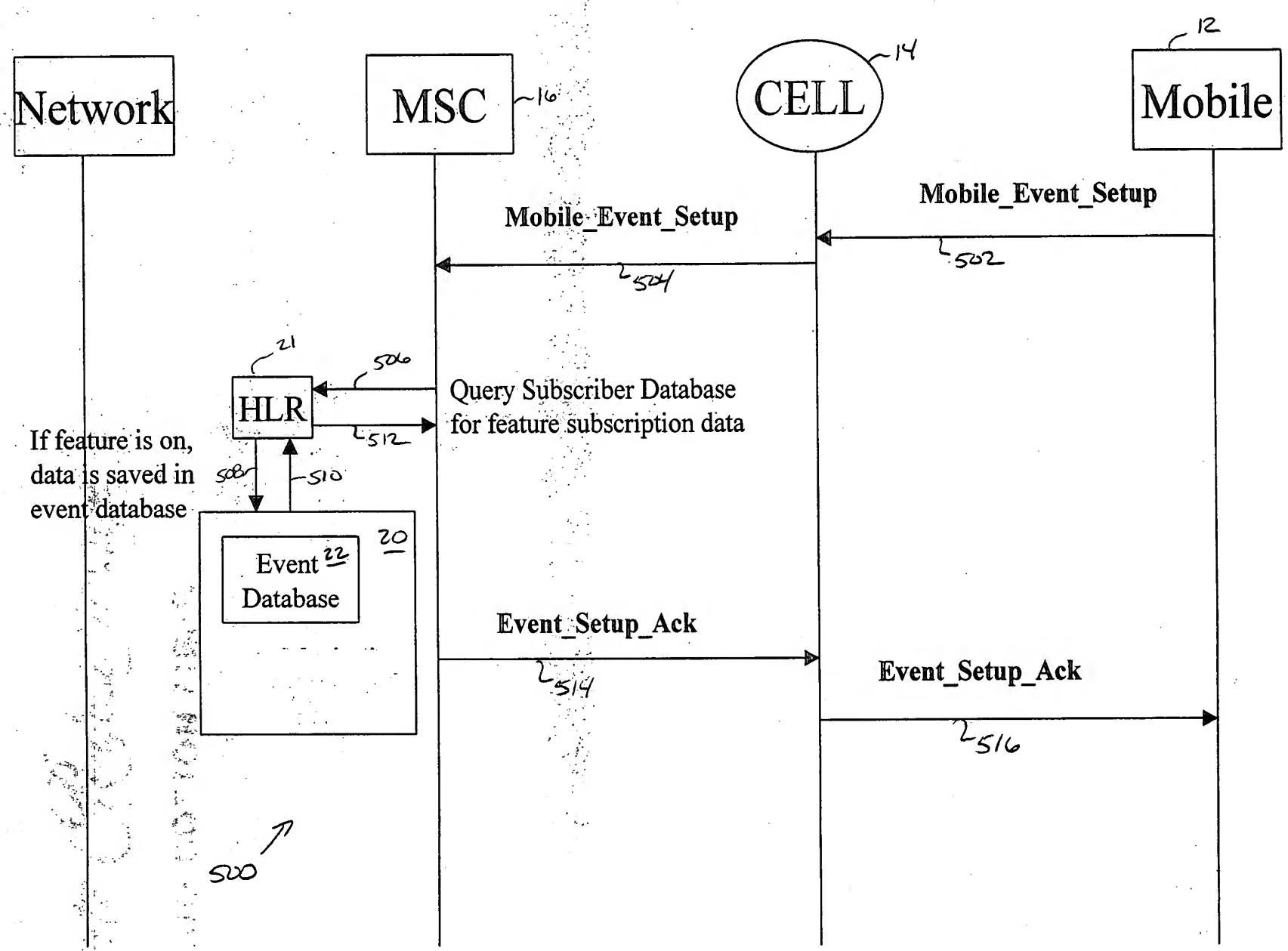
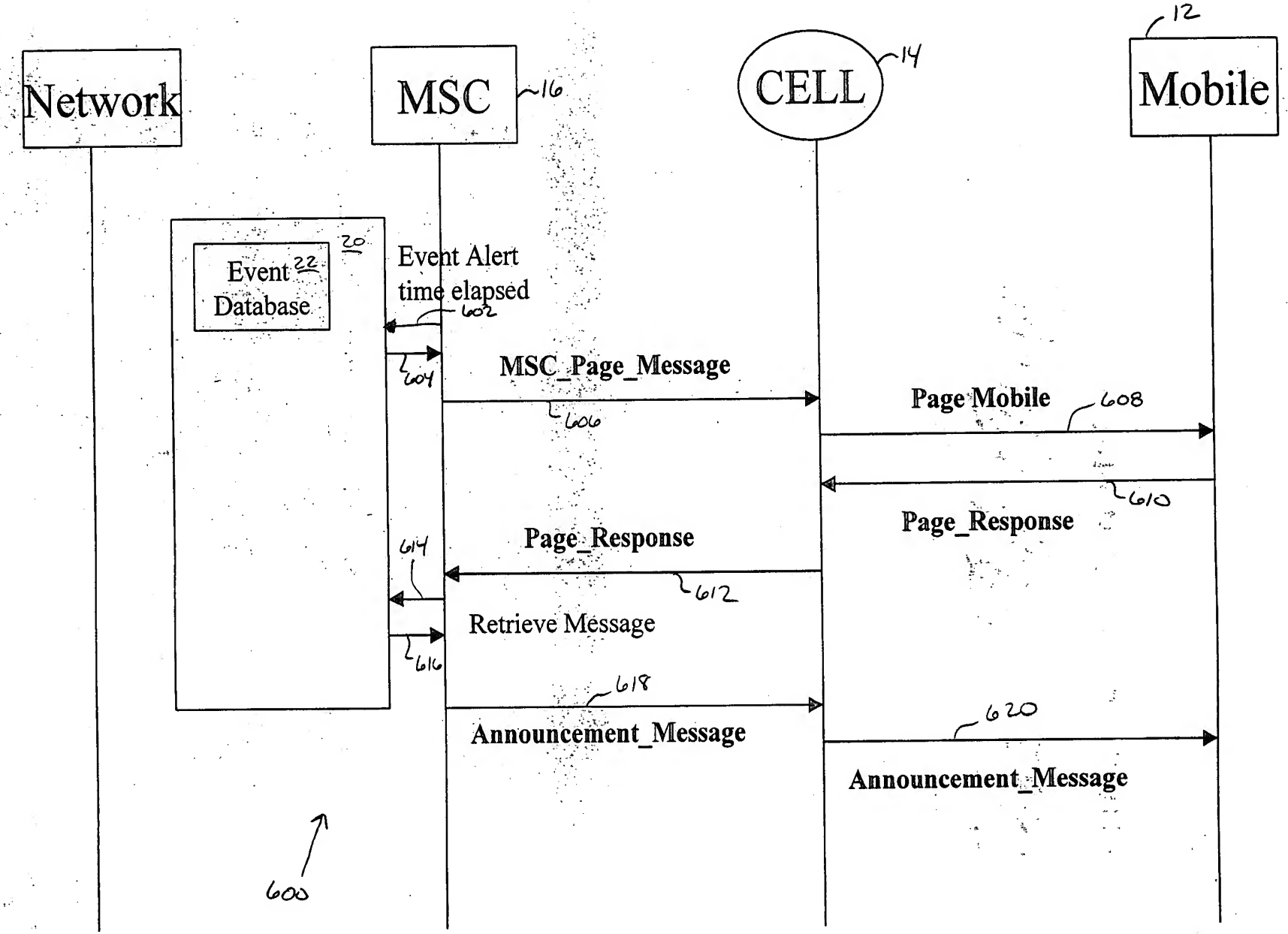

Network
MSC
16
CELL
14
Mobile
12
Mobile_Event_Setup
502
Mobile_Event_Setup
504
21
HLR
506
Query Subscriber Database
for feature subscription data
512
If feature is on,
data is saved in
event database
508
510
20
Event
Database
22
Event_Setup_Ack
514
Event_Setup_Ack
516
500

FIGURE 6


Network
MSC
16
CELL
14
Mobile
12
Event Database
22
20
Event Alert
time elapsed
602
604
MSC_Page_Message
606
Page Mobile
608
610
Page_Response
Page_Response
614
612
Retrieve Message
616
618
Announcement_Message
620
Announcement_Message
600